

ANSWER 10 © 2001 DERWENT INFORMATION LTD**Title**

Cavitational mixer for two ingredients admitted separately - has oscillating-rotating drive shaft with blades having super-cavitational profile and cylinder to intensify mixing.

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Patent Information

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Abstract

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Cavitational mixer, for use in the chemical, food, etc. industries, has body (1), pipes to admit the ingredients being mixed (2,3) and the mixing means which comprises the shaft (4) to which the blades (6) are fastened, having a super- cavitating profile. Specific power consumption is reduced and the degree of homogenisation and dispersion are increased as a result of cavitation and pulsation, by fitting the drive with an oscillating device (5). On the ends of the blades is rigidly fastened the cylinder (7), and the body is made with a circular slit (9) located after the blades. The drive shaft is also slotted.

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